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Form ~~PTO-1049~~ ModifiedList of Patents and Publications  
Cited by Applicant  
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Docket No.  
**ISPH-0588**Serial No.  
**09/918,026**Applicant  
**Crooke et al.**Filing Date  
**July 30, 2001**Group **1635**  
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LA	AA	Accad et al., "Massive xanthomatosis and altered composition of atherosclerotic lesions in hyperlipidemic mice lacking acyl CoA:cholesterol acyltransferase 1", <i>J. of Clinical Investigation</i> <b>2000</b> 105(6):711-719
	AB	Anderson et al., "Identification of a Form of Acyl-CoA:Cholesterol Acyltransferase Specific to Liver and Intestine in Nonhuman Primates", <i>J. Biol. Chem.</i> <b>1998</b> 273(41): 26747-26754
	AC	Bocan et al., "The ACAT Inhibitor Avasimibe Reduces Macrophages and Matrix Metalloproteinase Expression in Atherosclerotic Lesions of Hypercholesterolemic Rabbits", <i>Arterioscler Thromb Vasc Biol.</i> <b>2000</b> 20:70-79
	AD	Buhman et al., "Mammalian acyl-CoA:cholesterol acyltransferases", <i>Biochimica et Biophysica Acta</i> <b>2000</b> 1529:142-154
	AE	Burnett et al., "Acyl coenzyme A: cholesterol acyltransferase inhibition and hepatic apolipoprotein B secretion", <i>Clinica Chimica Acta</i> <b>1999</b> 286:231-242
	AF	Cases et al., "ACAT-2, A Second Mammalian Acyl-CoA:Cholesterol Acyltransferase", <i>J. Biol. Chem.</i> <b>1998</b> 273(41): 26755-26764
	AG	Chang et al., "Molecular Cloning and Functional Expression of Human Acyl-Coenzyme A:Cholesterol Acyltransferase cDNA in Mutant Chinese Hamster Ovary Cells", <i>J. Biol. Chem.</i> <b>1993</b> 268(28):20747-20755
	AH	Chang et al., "Localization of Acyl Coenzyme A:Cholesterol Acyltransferase Gene to Human Chromosome 1q25", <i>Somatic Cell and Molecular Genetics</i> <b>1994</b> 20(1):71-74
Self	AI	Chang et al., "Immunological Quantitation and Localization of ACAT-2 and ACAT-2 in Human Liver and Small Intestine", <i>J. Biol. Chem.</i> <b>2000</b> 275(36):28083-28092

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LL	AJ	Chang et al., "Regulation and Immunolocalization of Acyl-Coenzyme A:Cholesterol Acyltransferase in Mammalian Cells as Studies with Specific Antibodies", <i>J. Biol. Chem.</i> <b>1995</b> 270(49): 29532-29540
	AK	Chang et al., "ACYL-Coenzyme A:Cholesterol Acyltransferase", <i>Annu. Rev. Biochem.</i> <b>1997</b> 66:613-638
	AL	Chang et al., "Current, New and Future Treatments in Dyslipidaemia and Atherosclerosis", <i>Drugs</i> <b>2000</b> 60(1):55-93
	AM	Davignon J., "Prospects for Drug Therapy for Hyperlipoproteinaemia", <i>Diabete &amp; Metabolisme</i> <b>1995</b> 21:139-146
	AN	Dugar et al., "Amides of Piperidine, Morpholine and Piperazine Substituted 1-Phenylethylamines:Inhibitors of AcylCoA:cholesterol Acyltransferase (ACAT) Activity in vitro and in vivo", <i>Bioorganic &amp; Medicinal Chemistry</i> <b>1995</b> 3(9): 1231-1236
	AO	Farese R.V. Jr., "Acyl CoA:cholesterol acyltransferase genes and knockout mice", <i>Genetics and molecular biology</i> <b>1998</b> 119-123
	AP	Fazio et al., "Increased atherosclerosis in LDL receptor-null mice lacking ACAT1 in macrophages", <i>The J. of Clinical Investigation</i> <b>2001</b> 107(2):163-171
	AQ	Krause et al., "ACAT Inhibitors:Physiologic Mechanisms for hypolipidemic and Anti-Atherosclerotic Activities in Experimental Animals", <i>Inflammation:Mediators and Pathways</i> 173-197
LL	AR	Lee et al., "Inhibitors of ACYL-CoA:Cholesterol O-Acyltransferase (ACAT) as Hypocholesterolemic Agents:Synthesis and Structure-Activity Relationships of Novel Series of Sulfonamides, Acylphosphonamides and Acylphosphoramidates", <i>Bioorganic &amp; Medical Chemistry Letters</i> <b>1998</b> 289-294
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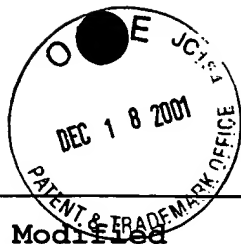
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	AS	Lee et al., "Cholesterol-Lowering Activity of Naringenin via Inhibition of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase and Acyl Coenzyme A:Cholesterol Acyltransferase in Rats", <i>Ann Nutr Metab</i> <b>1999</b> 43:173-180
	AT	Li et al., "Human Acyl-CoA:Cholesterol Acyltransferase-1 (ACAT-1) Gene Organization and Evidence That the 4.3-Kilobase ACAT-1 mRNA Is Produced from Two Different Chromosomes", <i>J. Biol. Chem.</i> <b>1999</b> 274(16):11060-11071
	AU	Matsuda K., "ACAT Inhibitors as Antiatherosclerotic Agents:Compounds and Mechanisms", <i>Medical Research Reviews</i> <b>1994</b> 14(3):271-305
	AV	Matsuda et al., "Activation of acyl-coenzyme A:cholesterol acyltransferase activity by cholesterol is not due to altered mRNA levels in HepG2 cells", <i>Biochimica et Biophysica Acta</i> <b>1996</b> 76-84
	AW	Meiner et al., "Disruption of the acyl-CoA:cholesterol acyltransferase gene in mice: Evidence suggesting multiple cholesterol esterification enzymes in mammals", <i>Proc. Natl. Acad. Sci. USA</i> <b>1996</b> 93:14041-14046
	AX	Meiner et al., "Tissue expression studies on the mouse acyl-CoA:cholesterol acyltransferase gene (Acact):findings supporting the existence of multiple cholesterol esterification enzymes in mice", <i>Journal of Lipid Research</i> <b>1997</b> 38:1928-1933
	AY	Nicolosi et al., "The ACAT inhibitor, CI-1011 is effective in the prevention and regression of aortic fatty streak area in hamsters", <i>Atherosclerosis</i> <b>1998</b> 137:77-85
	AZ	O'Brien et al., "Inhibitors of Acyl-CoA:Cholesterol O-Acyltransferase. Synthesis and Pharmacological Activity of ( $\pm$ )-2-Dodecyl- $\alpha$ -phenyl-N-2,4,6-trimethoxyphenyl)-2H-tetrazole-t-acetamide and Structurally Related Tetrazole Amide Derivatives", <i>J. Med. Chem.</i> <b>1996</b> 39:2354-2366
	BA	Oelkers et al., "Characterization of Two Human genes Encoding Acyl Coenzyme A: Cholesterol Acyltransferase-related Enzymes", <i>The Journal of Biological Chemistry</i> <b>1998</b> 273(41):26765-26771
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	BB	Roth B.D., "ACAT inhibitors: evolution from cholesterol-absorption inhibitors to antiatherosclerotic agents", <i>DDT</i> <b>1998</b> 3(1):19-25
	BC	Rudel et al., "Cholesterol esters and atherosclerosis-a game of ACAT and mouse", <i>Nature Medicine</i> <b>2000</b> 6(12):1313-1314
	BD	Rudel et al., "Acyl coenzyme A:cholesterol acyltransferase types and 2: structure and function in atherosclerosis", <i>Curr Opin Lipidol</i> <b>2001</b> 12:121-127
	BE	Sellers et al., "Altered Hemostasis in Male Rats Following Administration of the ACAT Inhibitor SKF-99085", <i>Toxicological Sciences</i> <b>1998</b> 46:151-154
	BF	Seo et al., "Differential Modulation of ACAT1 and ACAT2 Transcription and Activity by Long Chain Free Fatty Acids in Cultured Cells", <i>Biochemistry</i> <b>2001</b> 40:4756-4762
	BG	Tanaka et al., "Inhibitors of acyl-CoA:cholesterol O-acyltransferase (ACAT). Part 1: Identification and structure-activity relationships of a novel series of substituted N-alkyl-N-biphenylmethyl-N <sup>1</sup> -arylureas", <i>Bioorganic &amp; Medicinal Chemistry</i> <b>1998</b> 6:15-30
	BH	Tanaka et al., "Inhibitors of Acyl-CoA:Cholesterol O-Acyltransferase. 2. Identification and Structure-Activity Relationships of a Novel Series of N-Alkyl-N-(heteroaryl-substituted benzyl)-N <sup>1</sup> -arylureas <sup>1</sup> ", <i>J. Med. Chem.</i> <b>1998</b> 41:2390-2410
	BI	Tanaka et al., "Synthesis, X-ray Crystal Structure, and Biological Activity of FR186054, a Novel, Potent, Orally Active Inhibitor of Acyl-CoA:Cholesterol O-Acyltransferase (ACAT) Bearing a Pyrazole Ring", <i>bioorganic &amp; Medicinal Chemistry Letters</i> <b>1998</b> 8:81-86
	BJ	Tanaka et al., "Inhibitors of Acyl-CoA:Cholesterol O-Acyltransferase. 3. Discovery of a Novel Series of N-Alkyl-N-[fluorophenoxy] benzyl]-N <sup>1</sup> -arylureas with Weak Toxicological Effects on Adrenal Glands", <i>J. Med. Chem.</i> <b>1998</b> 41:4408-4420

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<u>29</u>	BK	Uelmen et al., "Tissue-specific Expression and Cholesterol Regulation of Acylcoenzyme A:Cholesterol Acyltransferase (ACAT) in Mice", <i>Journal of Biological Chemistry</i> <b>1995</b> 270(44):26192-26201
	BL	Vaccaro et al., "Inhibitors of Acyl CoA:Cholesterol Acyltransferase", <i>J. Med. Chem.</i> <b>1996</b> 39:1074-1719
	BM	Wang et al., "Gene Expression of Acyl Coenzyme A Cholesterol Acyltransferase Is Upregulated in Human Monocytes During Differentiation and Foam Cell Formation" <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> <b>1996</b> 16(6):809-814
	BN	White et al., "Heterocyclic Amides:Inhibitors of Acyl-CoA:Cholesterol O-Acyl Transferase with Hypocholesterolemic Activity in Several Species and Antiatherosclerotic Activity in the Rabbit", <i>J. Med. Chem.</i> <b>1996</b> 39:3908-3919
<u>29</u>	BO	Yagyu et al., "Absence of ACAT-1 Attenuates Atherosclerosis but Causes Dry Eye and Cutaneous Xanthomatosis in Mice with Congenital Hyperlipidemia", <i>Journal of Biological Chemistry</i> <b>2000</b> 275(28):21324-2133
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## U. S. PATENT DOCUMENTS

Examiner		Document	Date	Name	Class	Subclass
<i>JS</i>	AA	5,968,749	10-19-99	Chang et al.	435	<del>6</del>
<i>JS</i>	AB	5,484,727	1-16-96	Chang et al.	435	252.3

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
<i>JS</i>	AC	WO 94/09126	28-4-94	PCT	x	
	AD	<del>JP 6 172186</del>	<del>6 21 94</del>	<del>JAPAN</del>		x

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*David J. Lee*

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